

**Claim 1 showing amendments being made.**

- 1) Apparatus for the conversion of energy, comprising,
- a) a source of energy for promoting electron tunneling, and,
  - b) an emitter electrode, connected to said source of energy, and,
  - c) a collector electrode, positioned sufficiently close to said emitter electrode for electrons to tunnel from the emitter electrode to the collector electrode, and,
  - d) electrical circuit means, connected to said electrodes, for the circulation of electrons, and,
  - e) manipulating means for controlling the relative electrode positioning, connected to one or both of said electrodes.

**Claim 6 showing amendments being made.**

6) ~~The apparatus of claim 5 further comprising Apparatus for the conversion of energy,~~  
comprising,

- a) a source of energy for promoting electron tunneling, and,
- b) an emitter electrode, connected to said source of energy, and,
- c) a collector electrode, positioned sufficiently close to said emitter electrode for electrons to tunnel from the emitter electrode to the collector electrode, and,
- d) electrical circuit means, connected to said electrodes, for the circulation of electrons, and,
- e) manipulating means for controlling the relative electrode positioning, connected to one or both of said electrodes, and
- f) housing means for said apparatus, and
- g) thermally conductive metal powder connected to said collector electrode for the transferal of thermal energy, and
- h) an extendable depository for said metal powder, for providing room for the metal powder as the collector electrode is moved to the area previously occupied by the metal powder.

**Claim 18 showing amendments being made.**

18) An electrical generator, comprising the apparatus of claim-1, 7, further comprising means for causing the oscillation of said manipulating means, for the production of alternating-current voltage.